

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM082915\  
 Data File : BM002576.D  
 Acq On : 29 Aug 2015 22:09  
 Operator : UM/IZ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02063

Quant Time: Aug 31 01:13:59 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081415MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 31 01:07:40 2015  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	134892	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	535387	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	230455	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	419158	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	420250	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	448513	20.00	ng/ul	0.00

## System Monitoring Compounds

7) Acenaphthylene-d8	15.07	160	452322	19.20	ng/ul	0.00
10) Fluorene-d10	16.34	176	289903	17.52	ng/ul	0.00
14) Anthracene-d10	18.17	188	384271	19.01	ng/ul	0.00
18) Pyrene-d10	20.40	212	374443	20.10	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	440118	18.68	ng/ul	0.00

## Target Compounds

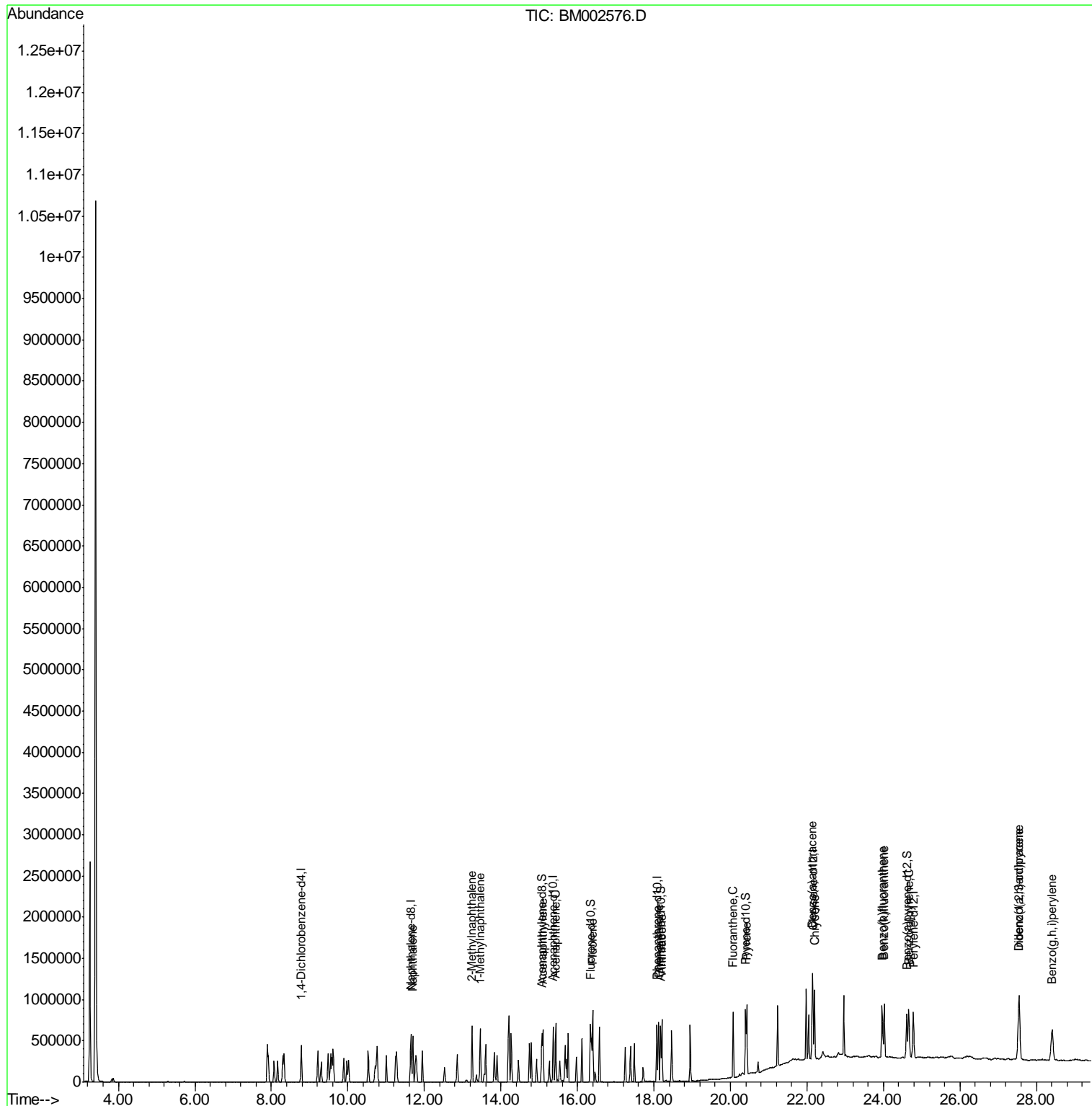
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.70	128	516380	18.90	ng/ul	99
4) 2-Methylnaphthalene	13.25	142	340519	16.63	ng/ul	99
5) 1-Methylnaphthalene	13.46	142	328490	16.22	ng/ul	100
8) Acenaphthylene	15.10	152	474565	19.24	ng/ul	99
9) Acenaphthene	15.43	153	305955	18.83	ng/ul	99
11) Fluorene	16.40	166	330665	17.76	ng/ul	100
13) Phenanthrene	18.12	178	458086	18.93	ng/ul	99
15) Anthracene	18.21	178	467273	19.05	ng/ul	100
16) Fluoranthene	20.07	202	472975	17.26	ng/ul	97
19) Pyrene	20.43	202	498138	20.23	ng/ul	99
20) Benzo(a)anthracene	22.14	228	475256	18.91	ng/ul	100
21) Chrysene	22.20	228	445213	18.94	ng/ul	100
23) Benzo(b)fluoranthene	23.97	252	510066	18.81	ng/ul	99
24) Benzo(k)fluoranthene	24.02	252	467954	18.21	ng/ul	99
26) Benzo(a)pyrene	24.67	252	487279	18.81	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.55	276	586373	19.69	ng/ul	98
28) Dibenzo(a,h)anthracene	27.55	278	497691	19.99	ng/ul	100
29) Benzo(g,h,i)perylene	28.41	276	491339	19.82	ng/ul	97

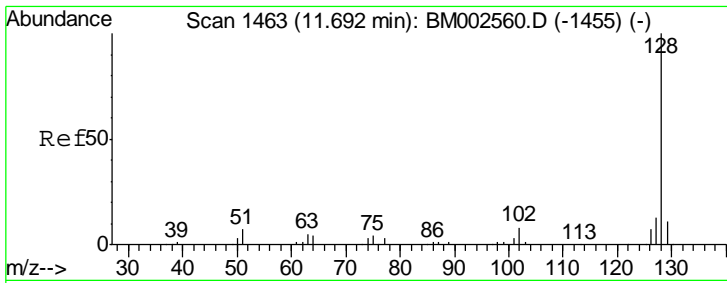
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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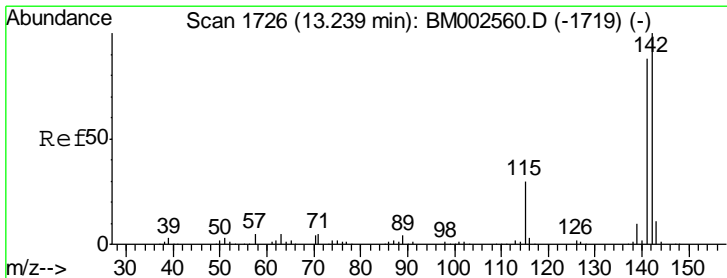
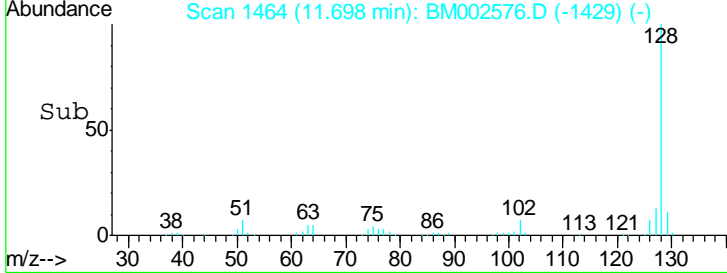
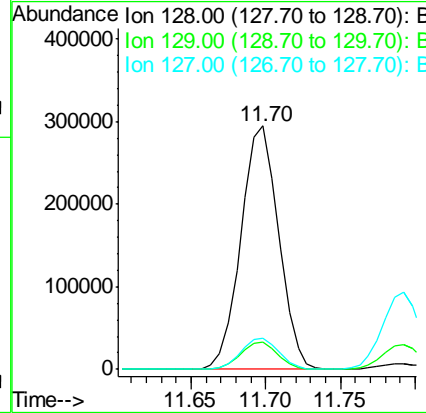
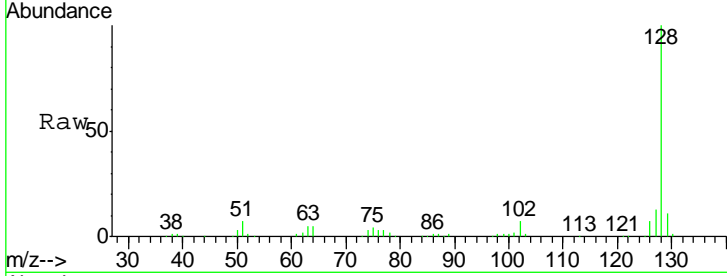




#3  
 Naphthalene  
 Concen: 18.90 ng/ul  
 RT: 11.70 min Scan# 1464  
 Delta R.T. 0.01 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

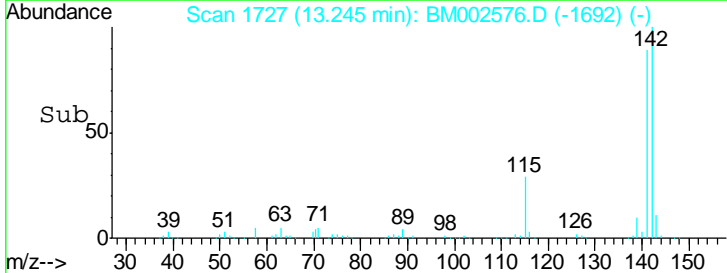
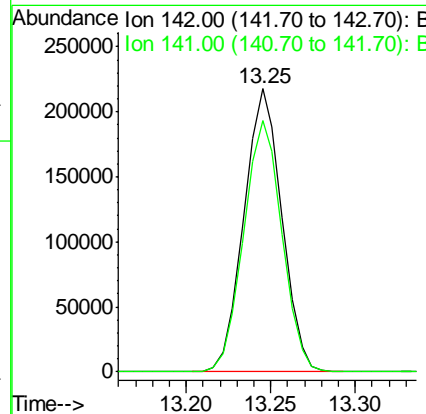
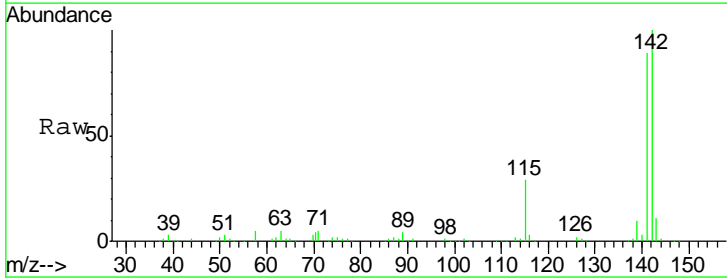
Instrument :  
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 ClientSampled :  
 SSTD02063

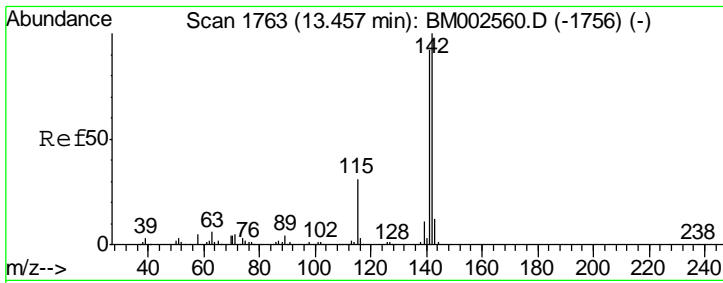
Tgt Ion	Resp	Lower	Upper
128	516380		
129	11.2	8.6	12.8
127	12.7	10.4	15.6



#4  
 2-Methylnaphthalene  
 Concen: 16.63 ng/ul  
 RT: 13.25 min Scan# 1727  
 Delta R.T. 0.01 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

Tgt Ion	Resp	Lower	Upper
142	340519		
141	88.8	72.2	108.2

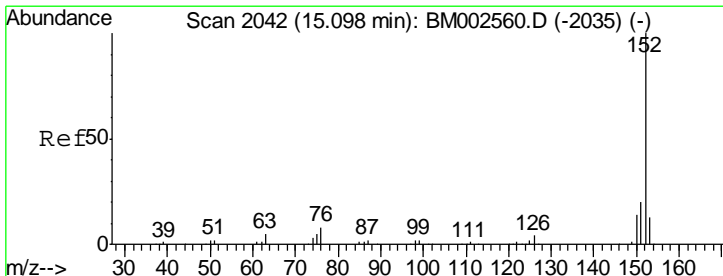
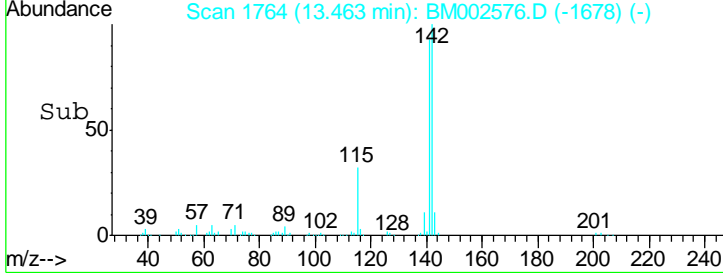
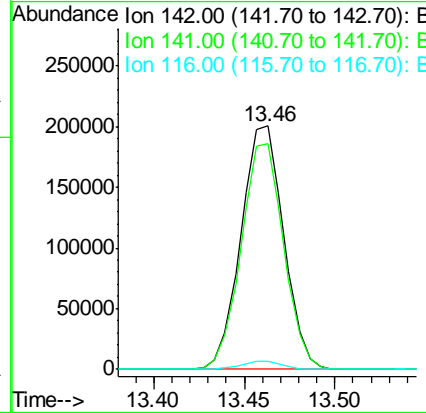
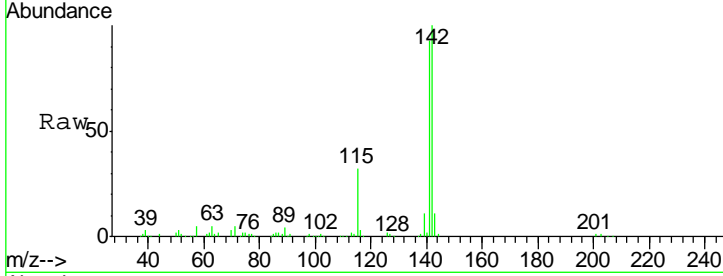




#5  
 1-Methylnaphthalene  
 Concen: 16.22 ng/ul  
 RT: 13.46 min Scan# 1764  
 Delta R.T. 0.01 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

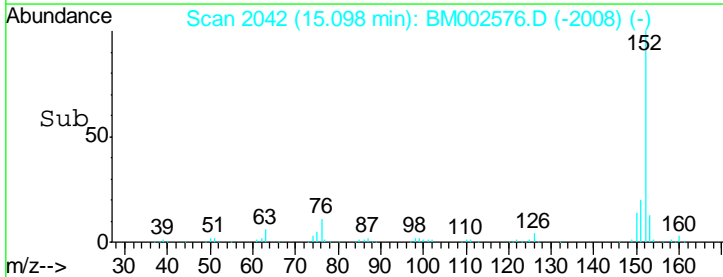
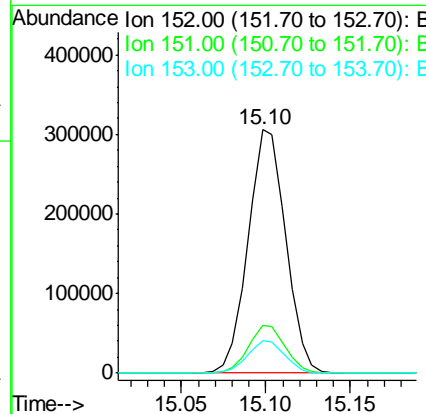
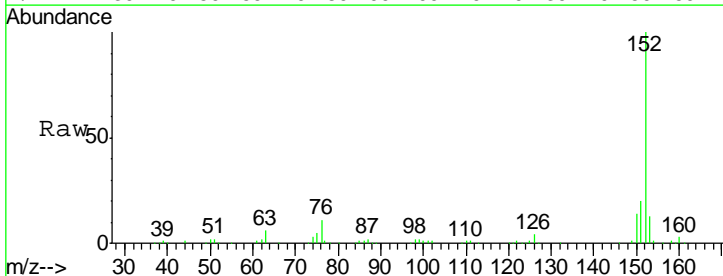
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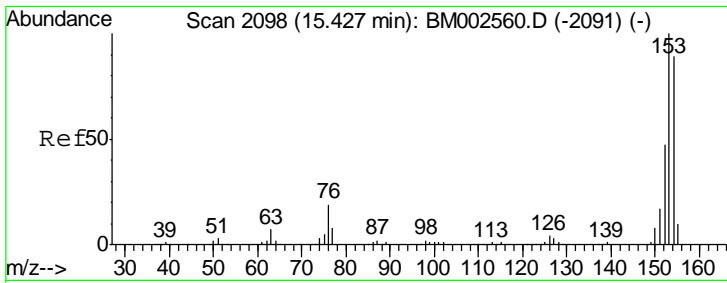
Tgt Ion	Resp	Lower	Upper
142	328490		
141	92.6	73.9	110.9
116	3.1	3.0	4.4



#8  
 Acenaphthylene  
 Concen: 19.24 ng/ul  
 RT: 15.10 min Scan# 2042  
 Delta R.T. 0.00 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

Tgt Ion	Resp	Lower	Upper
152	474565		
151	19.8	15.7	23.5
153	13.2	10.2	15.4

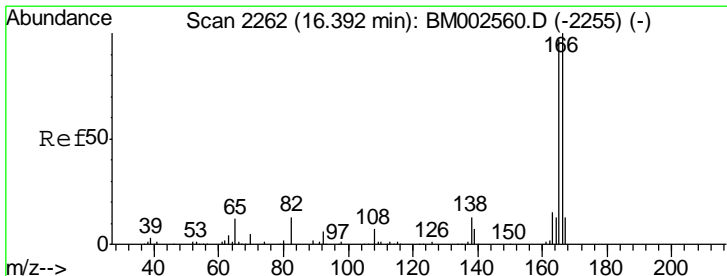
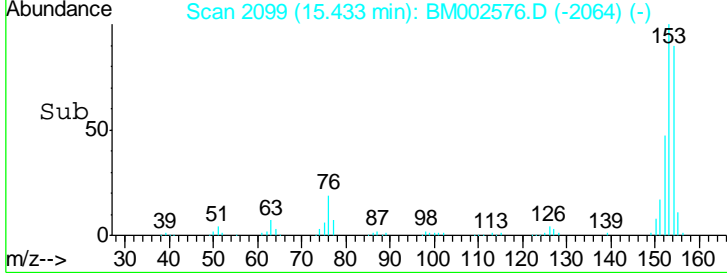
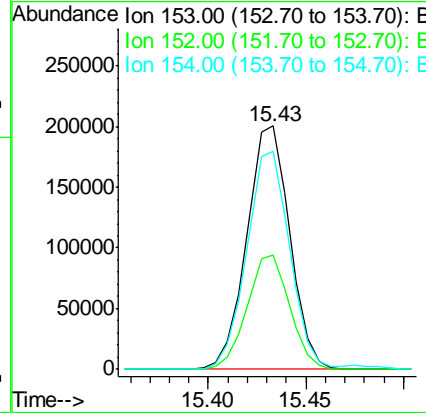
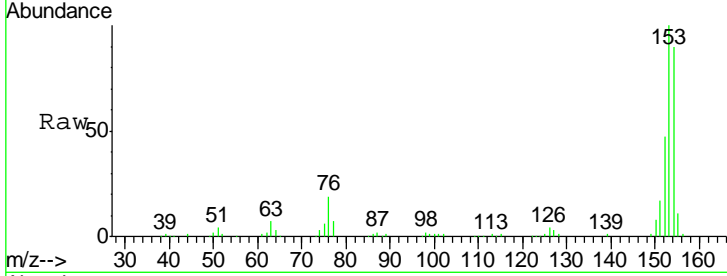




#9  
 Acenaphthene  
 Concen: 18.83 ng/ul  
 RT: 15.43 min Scan# 2099  
 Delta R.T. 0.01 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

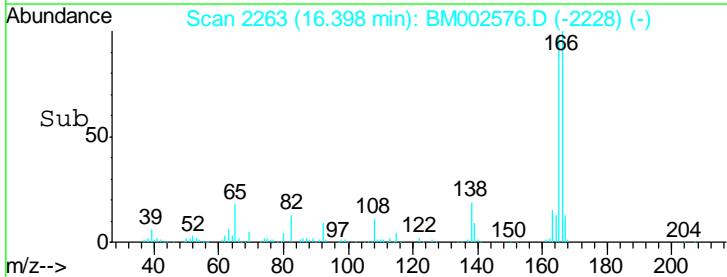
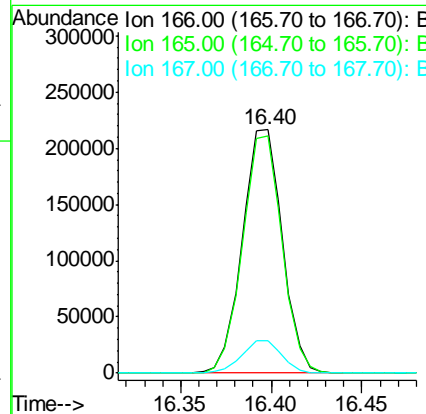
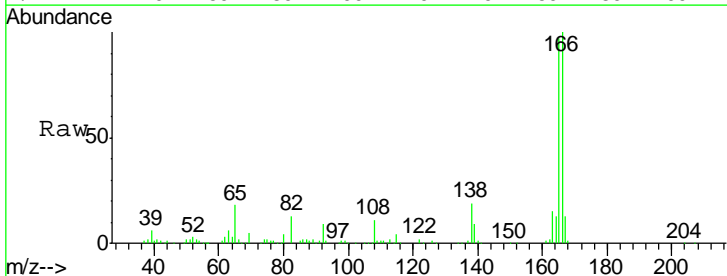
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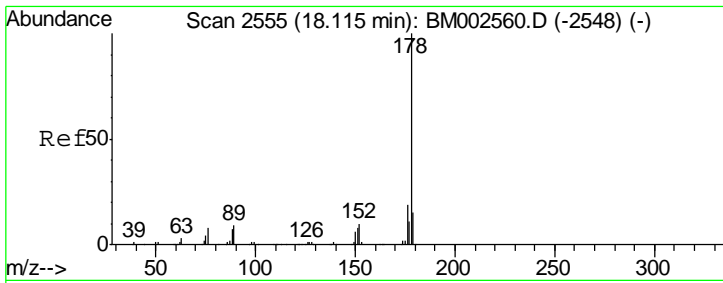
Tgt Ion	Resp	Lower	Upper
153	100		
152	46.8	36.9	55.3
154	89.6	71.3	106.9



#11  
 Fluorene  
 Concen: 17.76 ng/ul  
 RT: 16.40 min Scan# 2263  
 Delta R.T. 0.01 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

Tgt Ion	Resp	Lower	Upper
166	100		
165	97.2	77.6	116.4
167	13.1	10.7	16.1

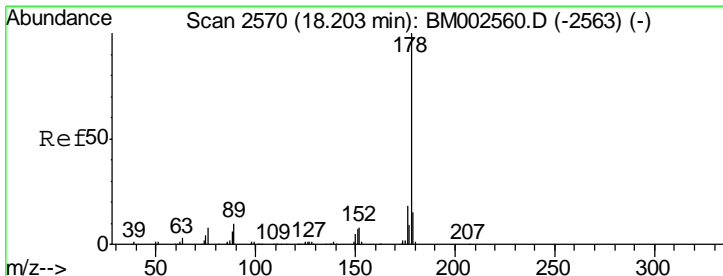
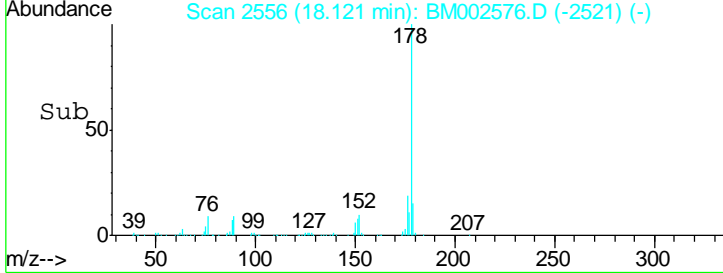
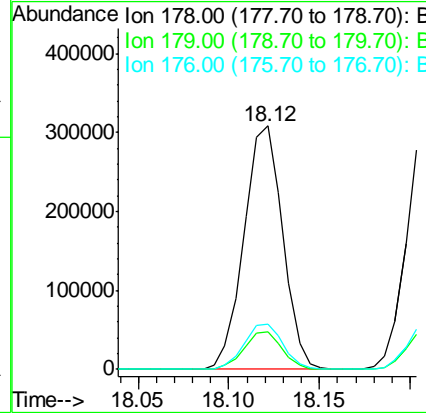
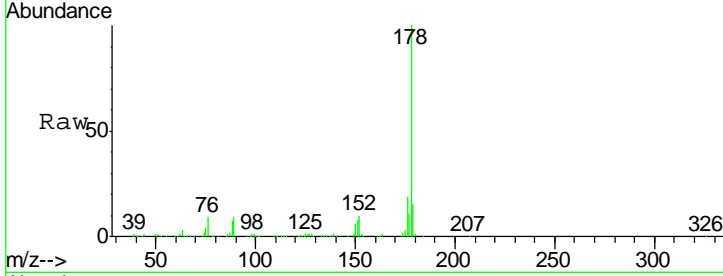




#13  
 Phenanthrene  
 Concen: 18.93 ng/ul  
 RT: 18.12 min Scan# 2556  
 Delta R.T. 0.01 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

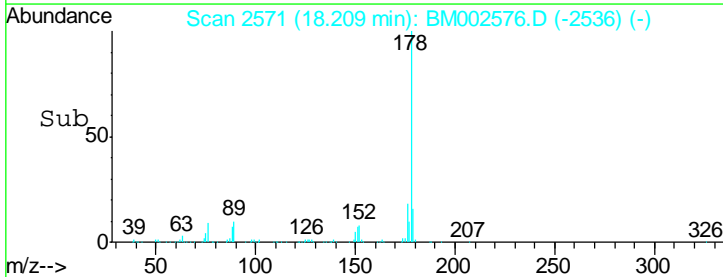
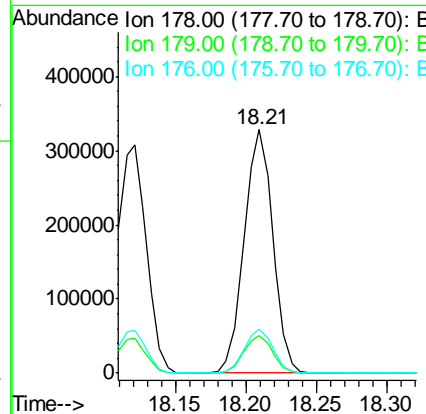
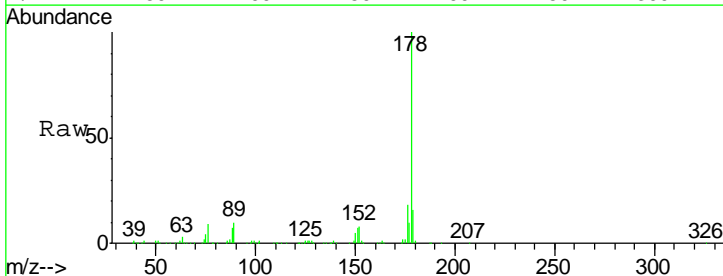
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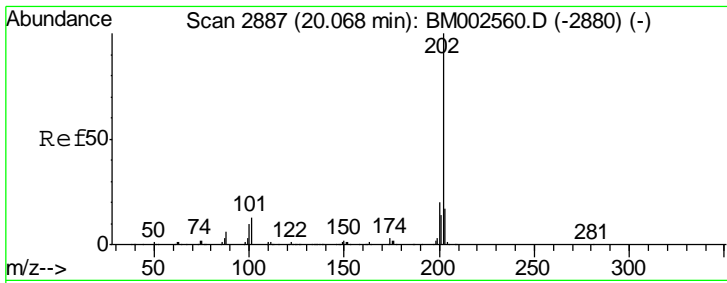
Tgt Ion	Resp	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	18.7	15.1	22.7



#15  
 Anthracene  
 Concen: 19.05 ng/ul  
 RT: 18.21 min Scan# 2571  
 Delta R.T. 0.01 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

Tgt Ion	Resp	Lower	Upper
178	100		
179	15.5	12.6	18.8
176	18.3	14.5	21.7

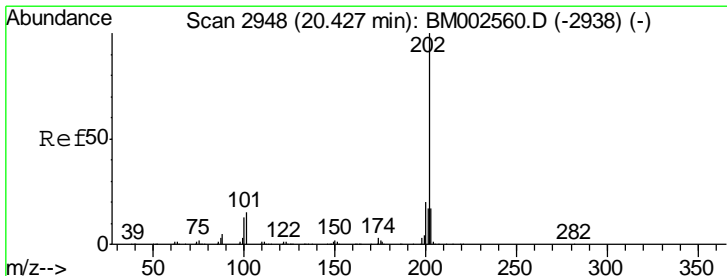
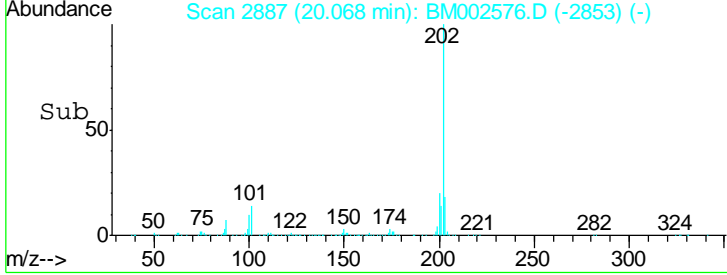
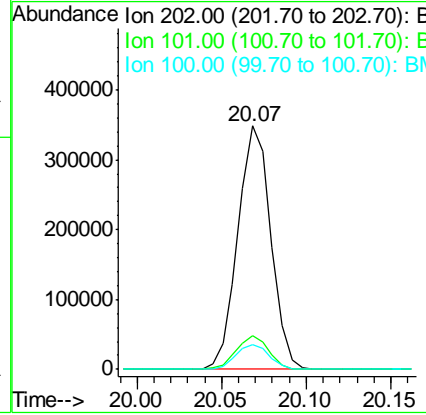
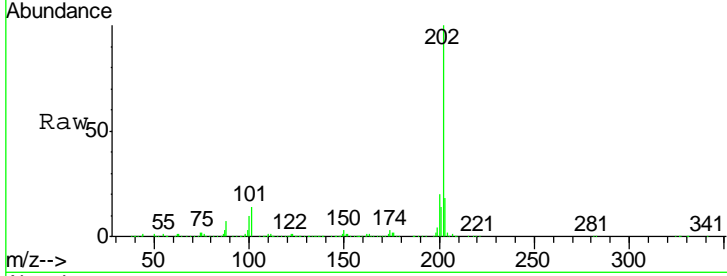




#16  
 Fluoranthene  
 Concen: 17.26 ng/ul  
 RT: 20.07 min Scan# 2887  
 Delta R.T. 0.00 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

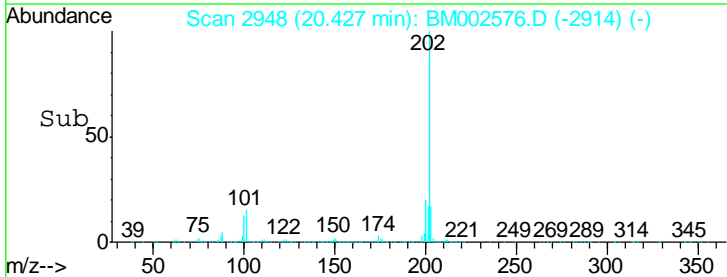
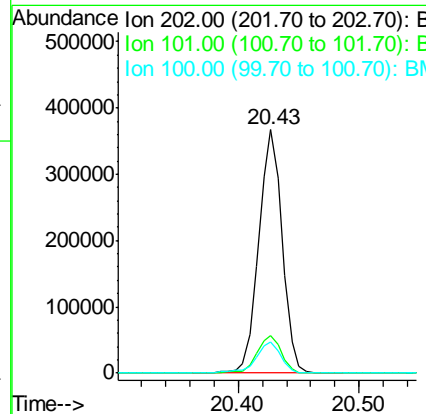
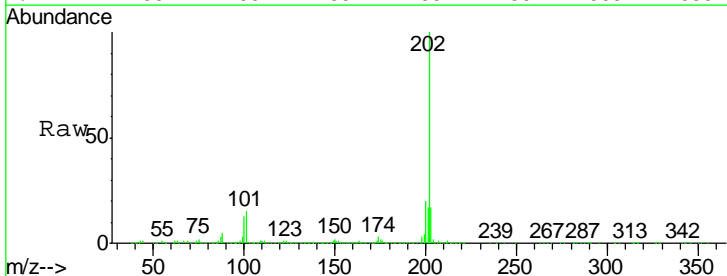
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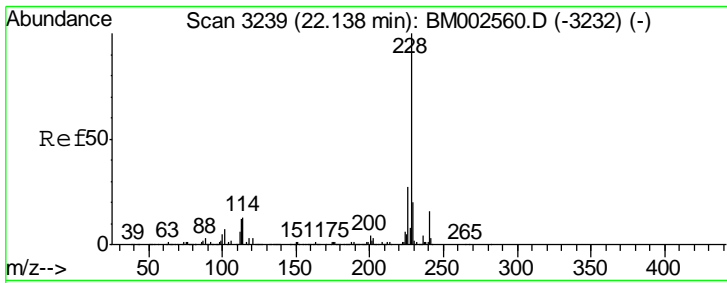
Tgt Ion	Resp	Lower	Upper
202	472975		
101	13.7	9.7	14.5
100	10.2	7.4	11.2



#19  
 Pyrene  
 Concen: 20.23 ng/ul  
 RT: 20.43 min Scan# 2948  
 Delta R.T. 0.00 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

Tgt Ion	Resp	Lower	Upper
202	498138		
101	15.3	12.0	18.0
100	12.7	9.7	14.5

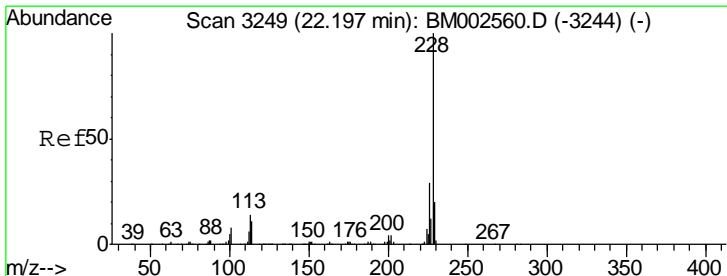
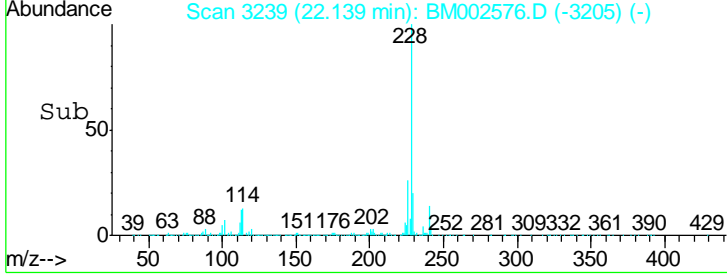
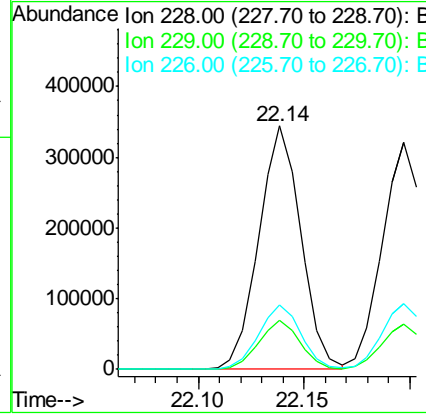
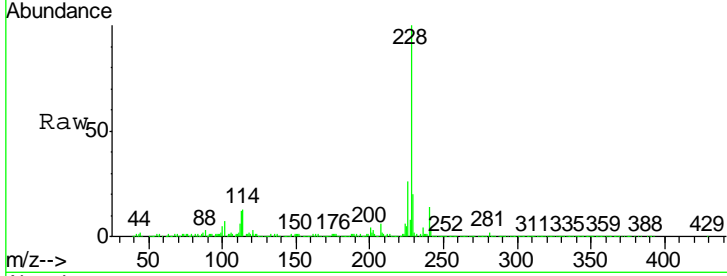




#20  
 Benzo(a)anthracene  
 Concen: 18.91 ng/ul  
 RT: 22.14 min Scan# 3239  
 Delta R.T. 0.00 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

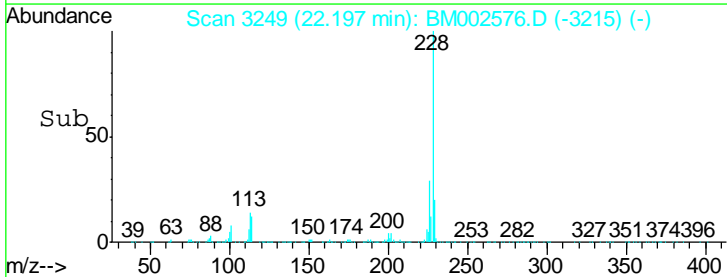
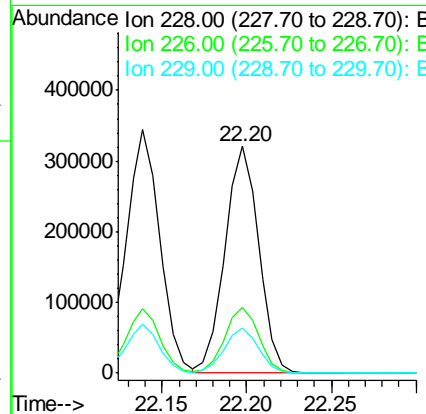
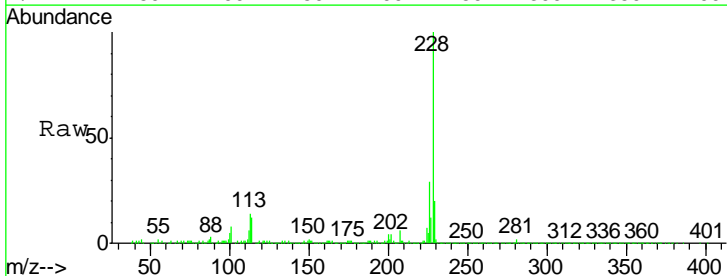
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Tgt Ion	Resp	Lower	Upper
228	100		
229	20.0	15.8	23.6
226	26.4	21.1	31.7

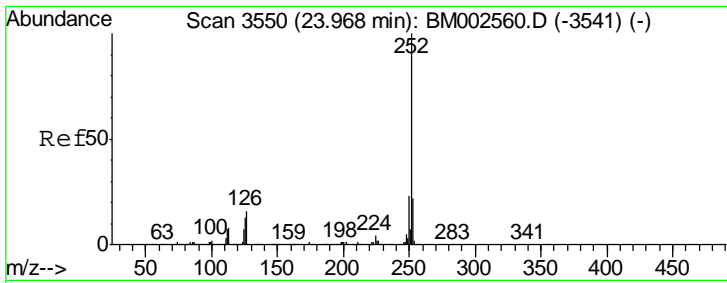


#21  
 Chrysene  
 Concen: 18.94 ng/ul  
 RT: 22.20 min Scan# 3249  
 Delta R.T. 0.00 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

Tgt Ion	Resp	Lower	Upper
228	100		
226	29.1	23.4	35.2
229	19.7	15.7	23.5



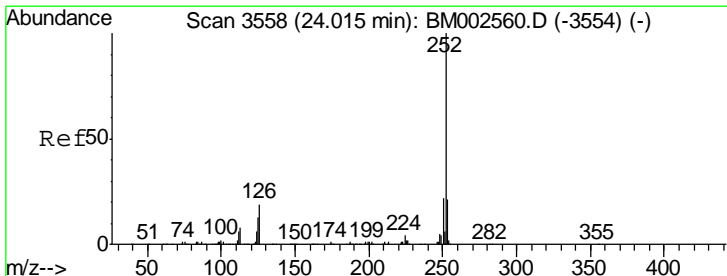
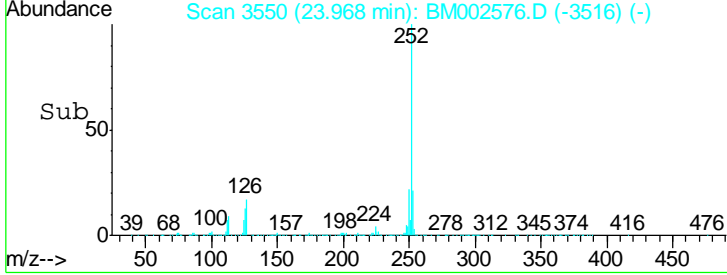
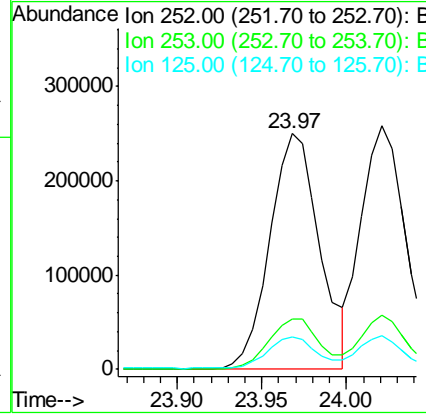
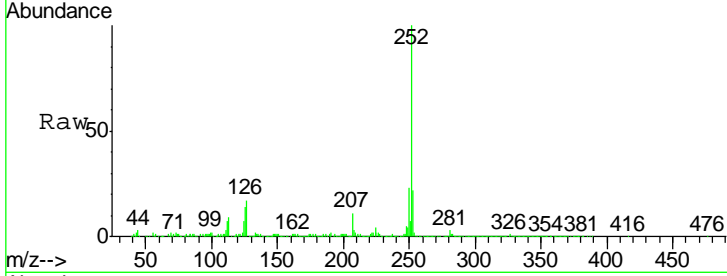




#23  
 Benzo(b)fluoranthene  
 Concen: 18.81 ng/ul  
 RT: 23.97 min Scan# 3550  
 Delta R.T. 0.00 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

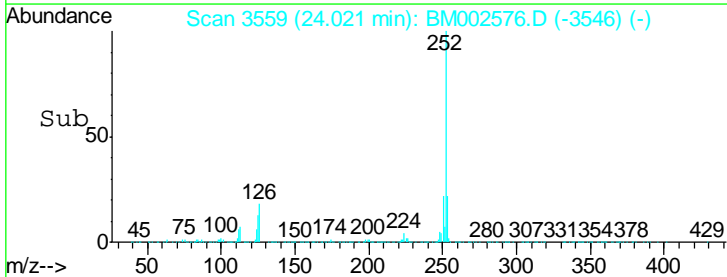
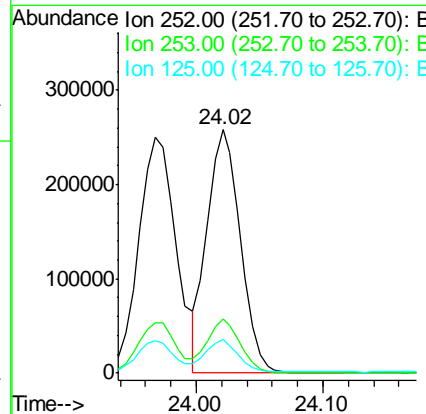
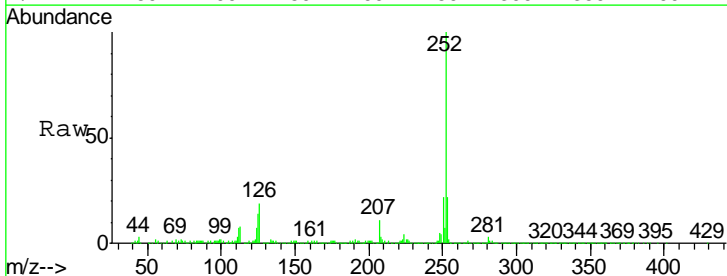
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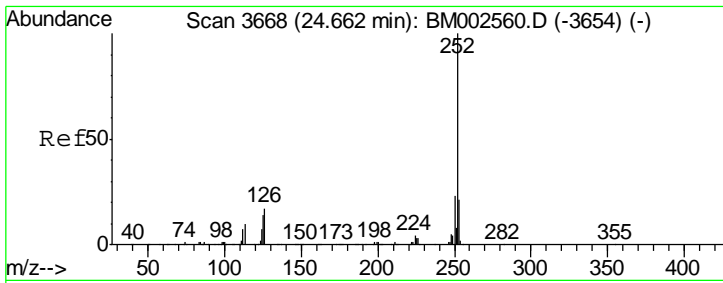
Tgt Ion	Resp	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	13.6	10.0	15.0



#24  
 Benzo(k)fluoranthene  
 Concen: 18.21 ng/ul  
 RT: 24.02 min Scan# 3559  
 Delta R.T. 0.01 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	13.7	9.8	14.8

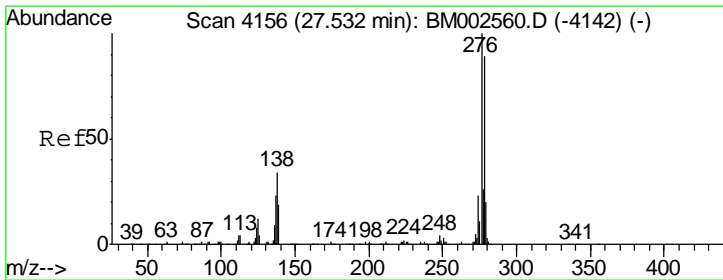
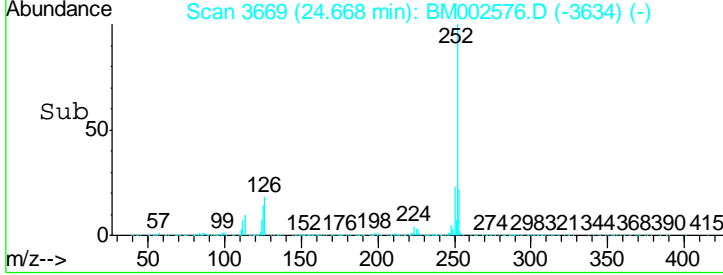
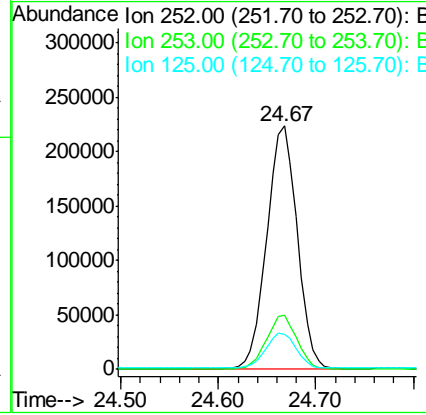
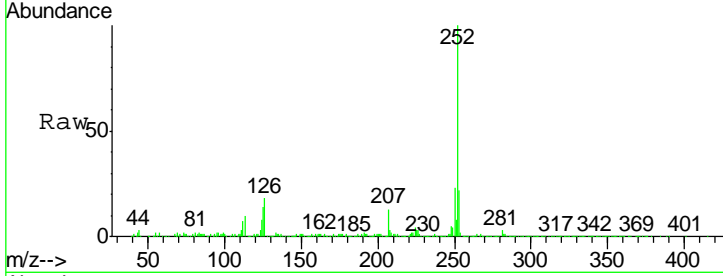




#26  
 Benzo(a)pyrene  
 Concen: 18.81 ng/ul  
 RT: 24.67 min Scan# 3669  
 Delta R.T. 0.01 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

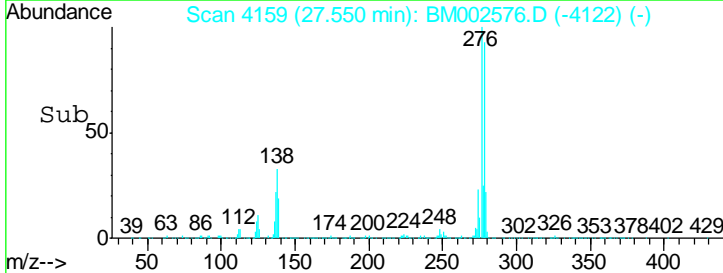
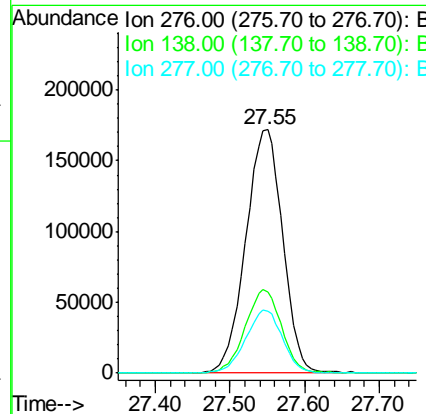
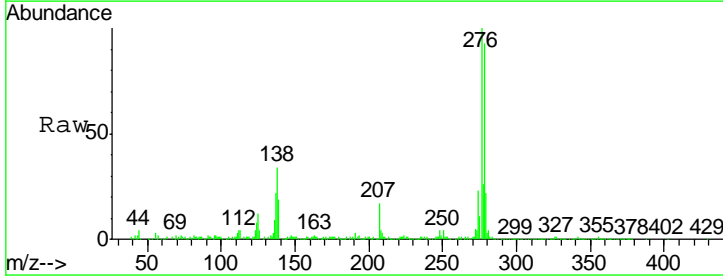
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02063

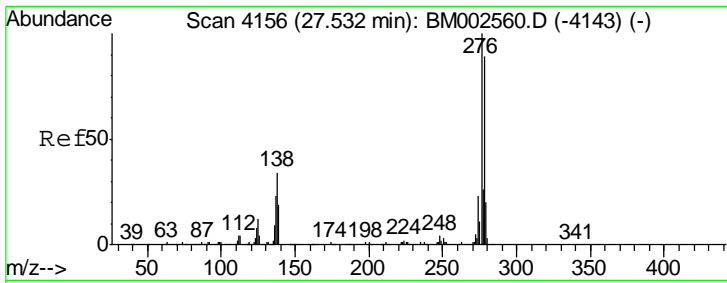
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	14.1	10.7	16.1



#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 19.69 ng/ul  
 RT: 27.55 min Scan# 4159  
 Delta R.T. 0.02 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

Tgt Ion	Resp	Lower	Upper
276	100		
138	33.5	25.3	37.9
277	25.5	20.2	30.2

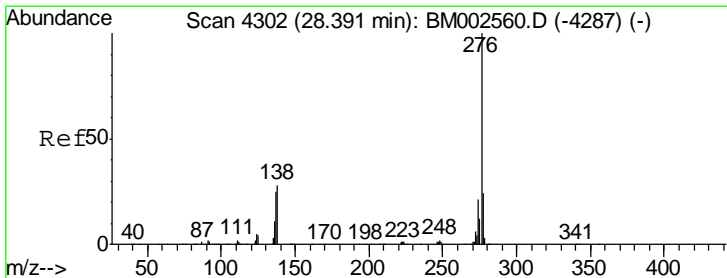
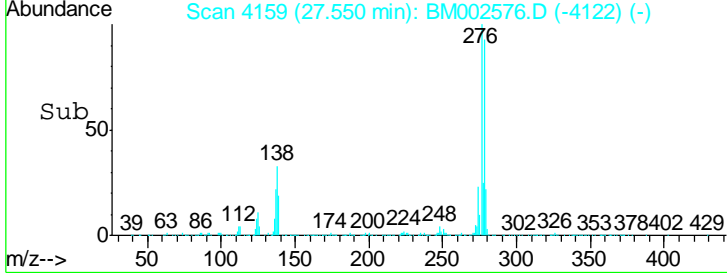
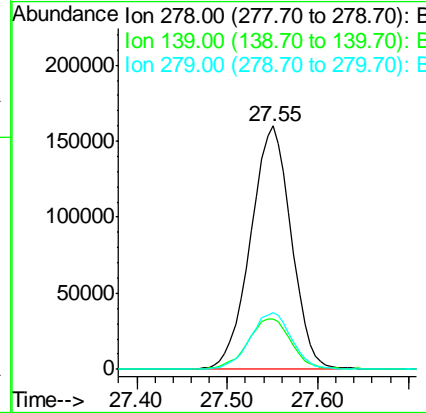
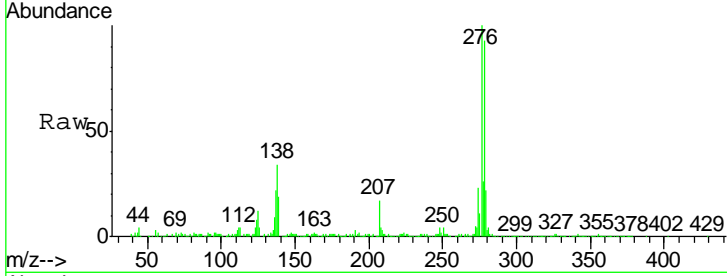




#28  
 Dibenzo(a,h)anthracene  
 Concen: 19.99 ng/ul  
 RT: 27.55 min Scan# 4159  
 Delta R.T. 0.02 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02063

Tgt Ion	Resp	Lower	Upper
278	497691		
278	100		
139	20.7	16.5	24.7
279	23.4	18.8	28.2



#29  
 Benzo(g,h,i)perylene  
 Concen: 19.82 ng/ul  
 RT: 28.41 min Scan# 4305  
 Delta R.T. 0.02 min  
 Lab File: BM002576.D  
 Acq: 29 Aug 2015 22:09

Tgt Ion	Resp	Lower	Upper
276	491339		
276	100		
138	29.3	21.0	31.6
277	24.0	19.2	28.8

